

Patent Claims:

1. Process for preparation of toylene-diisocyanate-based isocyanurate polyisocyanate solutions, by trimerizing
 - A) in a solvent which comprises at least one dialkyl phthalate having branched alkyl radicals,
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 - B) isomer mixtures of toylene diisocyanate with < 35% by weight of 2,6-tolylene diisocyanate
 - C) in the presence of a catalyst which comprises at least one nitrogen base of Mannich base type,
 - 10 D) and in rigorous absence of compounds containing aliphatic hydroxy and/or urethane groups
- until the content of free non-trimerized residual TDI monomers is $\leq 0.2\%$ by weight and at the same time the viscosity at 23°C is $< 20\,000 \text{ mPas}$ and the solids content, based on the isocyanurate polyisocyanate present is $> 25\%$ by weight.
- 15 2. Process for preparation of toylene-diisocyanate-based isocyanurate polyisocyanate solutions, characterized in that exclusively the isomeric diisononyl phthalates are used as solvent in A).
3. Process for preparation of toylene-diisocyanate-based isocyanurate polyisocyanate solutions, characterized in that the 2,6-TDI content of the toylene diisocyanate mixtures used in component B) is from 15 to 25% by weight.
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4. Tolyleno-diisocyanate-based isocyanurate polyisocyanate solutions obtainable by the process according to any of Claims 1 to 3.
5. Use of the toylene-diisocyanate-based isocyanurate polyisocyanate solutions according to Claim 4 as adhesion-promoting additives for polyvinyl chloride.

6. Coatings obtainable using the tolylene-diisocyanate-based isocyanurate polyisocyanate solutions according to Claim 4.

7. Substrates coated with coatings according to Claim 6.